

SEQUENCE LISTING

<110> BOUCKAERT, Anne-Marie
JOFUKU, K. Diane

<120> METHODS OF ISOLATING AND/OR IDENTIFYING RELATED PLANT SEQUENCES

<130> 2750-0198P

<140> 09/512,882

<141> 2000-02-25

<150> US 60/121,700

<151> 1999-02-25

<160> 48

<170> PatentIn version 3.0

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<211> 11

<212> PRT

<213> Arabidopsis and Brassica napus

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<213> Arabidopsis and Brassica napus

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<213> Arabidopsis and Brassica napus

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<213> Arabidopsis and Brassica napus

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<213> Zea mays and Oryza sativa

<400> 15

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tataattaat caagcttcct agtttgaact ttcaacacat actgctctct ctcgattgga 180
ttgtactagc atcatgaact gtactgaaac gggctcttgct cagggcctac gatcgcgcgg 240
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tgtgtgtgtc tgatgggtgg ttggtggccg gccgggcaact cttgtttttg ccagatgagg 420
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<213> Avena sativa ADC PROTEIN

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 35 40 45

Phe Val His Ile Leu Arg Arg Gln Ser Thr Gly Phe Ala Arg Gly Ser
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Ser
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 <213> Oryza sativa AP2-LIKE GENE

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 tcacgcagct gcaaggtaaa gaacacatca catcattcat cagaacatga gctctgtgtt 180
 tgtgaaggag attgagagaa ttgaatgatg atggatggat gcagggcgta cgacagggcg 240
 gcgatcaagt tcaggggagt agaggctgac atcaacttca acctgagcga ctacgaggag 300
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<400> 29

Gly Gly Phe Asp Thr Ala His Ala Ala Ala Arg Ala Tyr Asp Arg Ala
 1 5 10 15

Ala Ile Lys Phe Arg Gly Val Glu Ala Asp Ile Asn Phe Asn Leu Ser
 20 25 30

Asp Tyr Glu Glu Asp Met Arg Gln Met Lys Ser Leu Ser Lys Glu Glu
 35 40 45

Phe Val His Val Leu Arg Arg Gln Ser Thr Gly Phe Ser Arg Gly Ser
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Ser
 65

<210> 30
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 <212> DNA

<213> Triticum aestivum ADC GENE

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gttatgtctc cactctgttc atttcaccgt gccaaattga ccttgggatg ttccgcaggg    180
cgtacgatcg agcggcgatc aagttccgcg gcgtcgacgc cgacataaac ttcaacctca    240
gcgactacga ggacgacatg aagcaggatga tcagcaaagc caccaaccag tgttcctcat    300
ccaaccaa at tattcagatg cagagtgc at tagtactgtt gttgaaactg atgaactgaa    360
gaaattctga ctgtgtgttg kttggtggat gatctggatc agatgaaggg cctgtccaag    420
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<210> 31

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<213> Triticum aestivum ADC PROTEIN

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Ala Ile Lys Phe Arg Gly Val Asp Ala Asp Ile Asn Phe Asn Leu Ser
20          25          30
Asp Tyr Glu Asp Asp Met Lys Gln Val Lys Gly Leu Ser Lys Glu Glu
35          40          45
Phe Val His Val Leu Arg Arg Gln Ser Ala Gly Phe Ser Arg Gly Ser
50          55          60
Ser
65
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<210> 32

<211> 489

<212> DNA

<213> Zea mays ADC GENE

<400> 32

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acgcaggtag attcgacact gctcatgccg ctgcaaggta acgatcaatc catccatcca    180
cccttgtcta gctacccccc cgaccggccg gattaatgga ccgctagtgc tcgggacggg    240
cttgctgcag ggcgtacgac cgagcggcga tcaagttccg cggcgtcgac gccgacataa    300
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acttcaacct cagcgactac gacgacgata tgaagcaggt acatacacga gtgttggtgc 360
agctagcacc gactgaaaca tctgctgaac gtacactcat ggcctgtgca ccagatgaag 420
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ggcagctcc 489

<210> 33
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<213> Zea mays ADC PROTEIN

<400> 33

Gly Gly Phe Asp Thr Ala His Ala Ala Ala Arg Ala Tyr Asp Arg Ala
1 5 10 15
Ala Ile Lys Phe Arg Gly Val Asp Ala Asp Ile Asn Phe Asn Leu Ser
20 25 30
Asp Tyr Asp Asp Asp Met Lys Gln Val Lys Ser Leu Ser Lys Glu Glu
35 40 45
Phe Val His Ala Leu Arg Arg Gln Ser Thr Gly Phe Ser Arg Gly Ser
50 55 60

Ser
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<213> Zea mays, Avena sativa and Triticum aestivum

<400> 34

Asp Cys Gly Leu Gln Val
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<213> Zea mays, Avena sativa and Triticum aestivum

<400> 35

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21

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<213> Zea mays, Avena sativa and Triticum aestivum

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<213> Zea mays, Avena sativa and Triticum aestivum

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Lys Tyr Arg Gly Val Thr Leu

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<210> 39

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<213> Zea mays, Avena sativa and Triticum aestivum

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23

<210> 40

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<213> Zea mays, Avena sativa and Triticum aestivum

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23

<210> 41

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<213> Zea mays, Avena sativa and Triticum aestivum

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